



# NSA Task Force

**Non-Standard Ammunition  
Task Force  
28 May 2008  
Industry Day  
Mr. Bill Sanville**



# Definition

**The definition of Non-Standard Ammunition (NSA) for the purposes of this industry day is ammunition that has not been safety tested and type classified for U.S. Army use and cannot be procured through the U.S. Army supply system. The NSA items are primarily for use in non-U.S. weapon systems.**

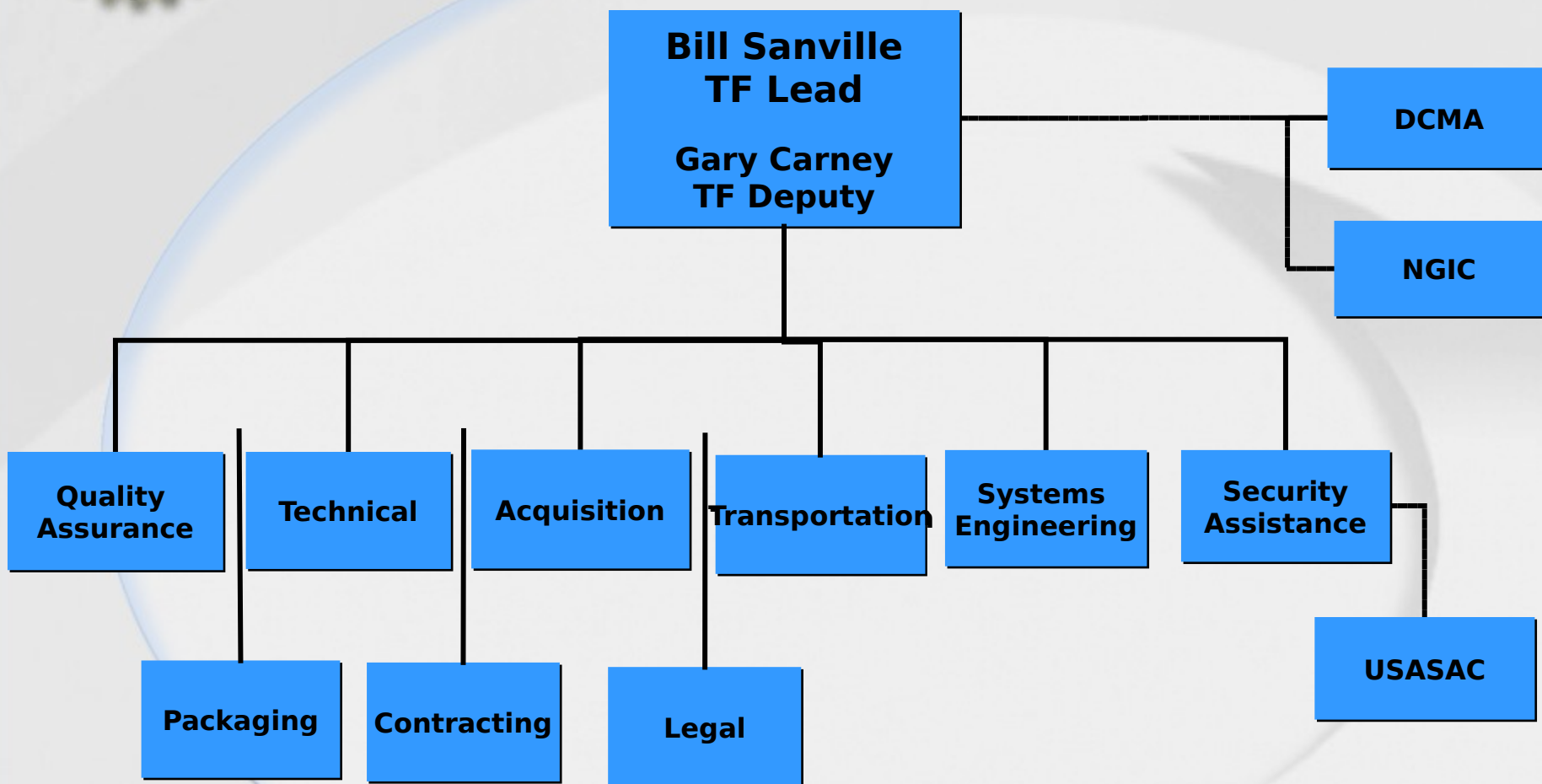


# Objective of Industry Day

- **Identify proposed methodology for the procurement of NSA**
- **Solicit feedback to the proposed methodology**
- **Investigate the availability of existing NSA technical information**

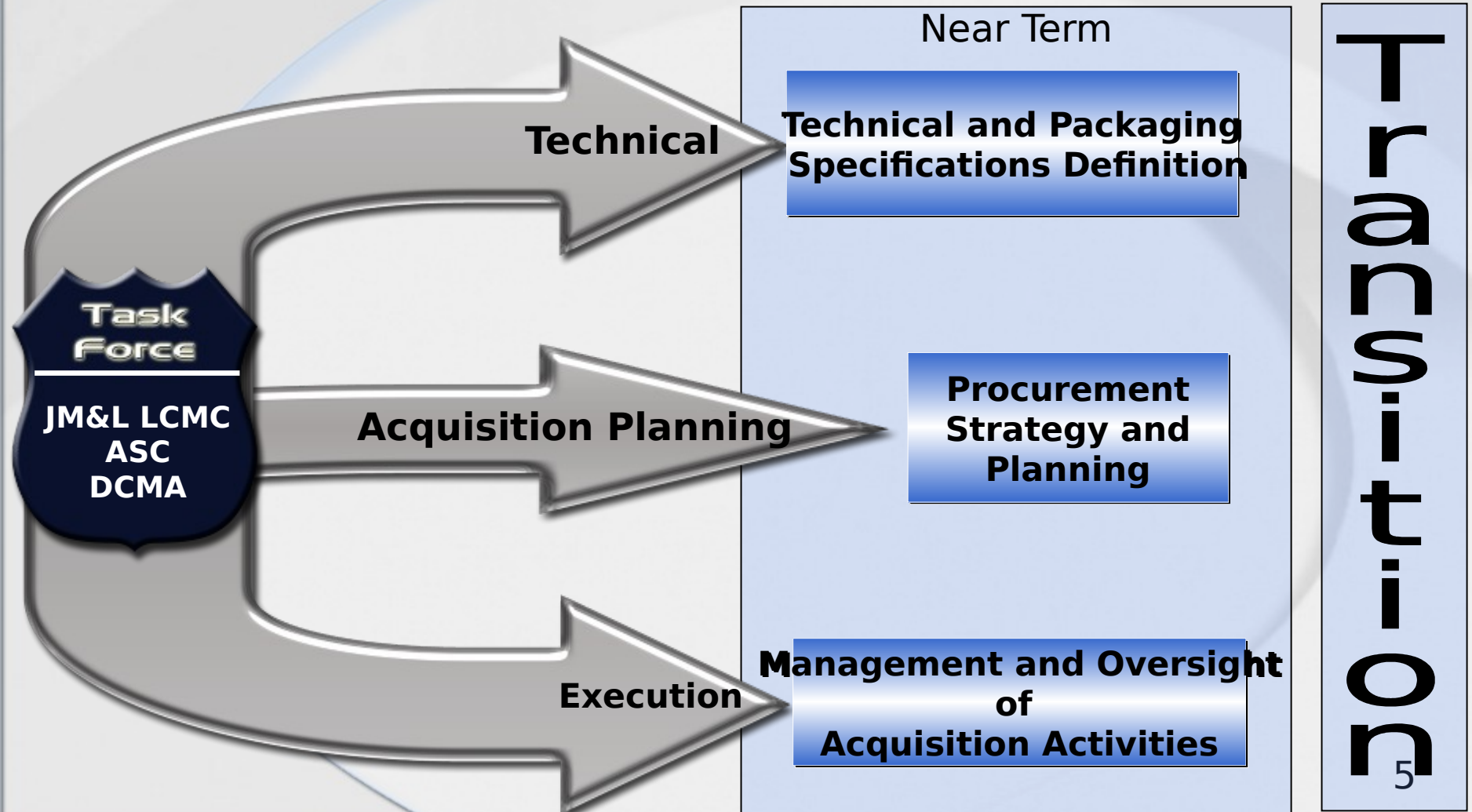


# JM&L LCMC NSA Task Force Functional Organization





# Task Force Strategy







# Agenda

<b>0730-0830</b>	<b>Registration &amp; Sign-up</b>
<b>0830-0835</b>	<b>Administration &amp; Opening Remarks</b>
<b>0835-0900</b>	<b>Task Force Overview</b>
<b>0900-1000</b>	<b>General Specifications</b>
<b>1000-1015</b>	<b>Break</b>
<b>1015-1045</b>	<b>Packaging</b>
<b>1045-1100</b>	<b>Transportation</b>
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# General Information

- **This Industry Day is not solicitation specific**
- **Open dialog is encouraged**
  - Question Cards available on tables
- **Please place cell phones on vibrate**
- **No Recording Devices**
- **Presentations to be posted at:**  
[www.aschq.army.mil/ac/aais/ioc/nonstardammunition.htm](http://www.aschq.army.mil/ac/aais/ioc/nonstardammunition.htm)
- **Post Conference Questions related to industry day should be emailed to**  
[randy.shorr@us.army.mil](mailto:randy.shorr@us.army.mil)
- **See [www.fbo.gov](http://www.fbo.gov) for acquisition information**



**NSA  
Task Force**

**Questions ?**

**JM&L  
LCMC**





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**NSA  
Task Force**

# **General Specification for Non Standard Ammunition**

**Michael Berry  
Wednesday 28 May 2008**



# Outline

- **Overview**
- **Structure**
- **Technical Requirements**
- **Basic Verification**
- **Verification Procedures**
- **Reduction or elimination of verification procedures**
- **Submissions**



# General Specification Overview

Requirement

## Technical Data Requirements

Verification

**Ammunition built to approved technical requirements**

Para. 3.1

Para. 4.1

## Compliance to Technical Data Requirements

**Evidence of compliance to technical requirements & Storage History / Surveillance history**

Para. 3.2

Para. 4.2

## Serviceability

**Of good condition, without visible signs of degradation of ammunition or deterioration of packaging**

Para. 3.3

Para. 4.3

## Product Verification

**Function, interface, packaging, marking**

Para. 3.4

Para. 4.4



# Structure

## ✓ **Technical Data**

- ✓ **All product presented must be compliant with approved technical data** Para. 3.1

## ✓ **Basic Verification**

- **Required for each lot or batch.** Para. 3.2 Para. 3.3

## ✓ **Verification Procedures**

- **Required for each lot or batch**
- **May be reduced or eliminated based on supporting data submitted for basic verification** Para. 3.4





# Technical Requirements

**Supplier responsible for submitting technical data and supporting data for proposed technical data to gain approval for use if not already identified as approved for use**

Para. 3.1

## **“Qualified Technical Data List”**

Para. 4.1

**Technical Data identified in Annex is approved for use**

Request submitted to Procurement Contracting Officer (PCO) for approval of technical data requirements

### **Criteria**

- ✓ No indication of inability to comply with contract requirements
- ✓ Compliance data to technical data, product verification
  - ✓ Sales history to US or other nations

One submission  
for each  
Technical Data Package used



# Basic Verification

**Supplier responsible for having or obtaining supporting data to show compliance to technical requirements and providing objective evidence when presenting product for inspection / acceptance**

## Compliance to Technical Requirements

- ✓ Identification of technical requirements
- ✓ Producer, date of manufacture, original acceptance
- ✓ Initial acceptance reports
- ✓ Surveillance reports
- ✓ Storage history

Para. 4.2

Para. 3.2

One submission  
for  
each lot or batch



# Basic Verification

**Supplier responsible for performing serviceability inspection and providing objective evidence when presenting product for inspection / acceptance**

Para. 3.3

## Serviceability

Para. 4.3

Serviceable and issueable without qualification

Good condition, without visible signs of degradation of ammunition or deterioration of packaging

2% or 200 units  
Whichever is less

One submission  
for  
each lot or batch

2 Units of Pack



# Verification Procedures

**Supplier responsible for performing verification procedures and providing objective evidence when presenting product for inspection / acceptance**

**Demonstration  
Of  
Reliability**

## Function

Ammunition functions from identified weapon system

## Interface

Ammunition conforms to weapon interface

## Packaging

Package and packed in accordance with UN recommendations on the transport of dangerous of goods

## Marking

Ammunition and packaging marking is visible, clear & remains legible

**Para. 3.4**

**One submission  
for  
each lot or batch**

**Item Specific  
Annex A**

**Para. 4.4**



# Verification Procedures

**Supplier responsible for requesting reduction or elimination of verification procedures prior to presenting product for inspection / acceptance**

## **Reduction or Elimination of Verification Procedures**

Request submitted to Procurement Contracting Officer (PCO) for reduction or elimination of verification procedures

### Criteria

(as stated in contract; example below)

- ✓ Ammunition produced within five (5) years of delivery
  - ✓ Evidence of continuous controlled storage
- ✓ Evidence of conformance to and in accordance with applicable technical data that satisfy requirements of production verification

One submission  
contingent on maintaining  
compliance to criteria





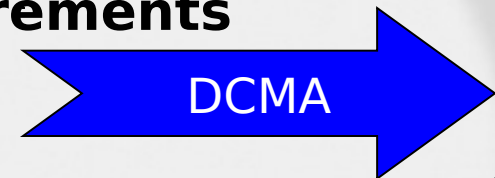
# Submissions

- ✓ **Request for technical data Approval**



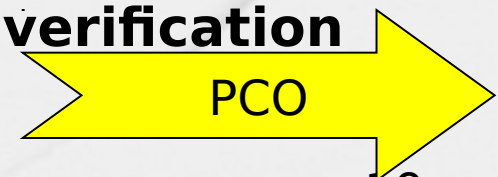
- ✓ **Objective evidence for Inspection / acceptance of product**

- **Compliance to technical requirements**
- **Serviceability**
- **Verification procedures**



Available at place of performance and prime

- ✓ **Request for reduction or elimination of verification procedures**





# Technical Data

- **General Requirements**

- **Technical Documentation**

- **Drawings defining technical dimensions or details to which item was manufactured**
      - **Manufacturer design**
      - **Industry Standard such as C.I.P, SAAMI or equivalent**
    - **Specification or Standard to which item was manufactured**
      - **Government**
      - **Industry**
      - **Manufacturer specific**
    - **Supporting Specifications or Standards defining materials, processes, test and inspection equipment used to manufacture**



# Performance Verification

- **Provided by direct evidence or compliance to manufacturing standards/process or testing. May include the following:**
  - **Ballistic function analysis/data**
    - **Pressure**
    - **Velocity**
    - **Accuracy**
    - **Cyclic rates**
    - **Function and casualty**
  - **Dimensional analysis/data**
    - **Key manufacturing characteristics**
    - **Material specifications**
    - **System interface characteristics**
- **To include date and place of manufacture and testing**



# Performance

- **Serviceability/Function**
  - **Shall be serviceable and issuable without qualification**
    - **Ammunition shall be usable in intended mode as evidenced by condition without signs of degradation**
    - **Packaging shall be of serviceable condition without signs of deterioration**
    - **Ammunition shall be retrievable from packaging and insertion into weapon without the need for rework or additional non-standard action on the part of the user**
    - **Ammunition shall function safely and without casualty in weapon**



# NSA Task Force

## Questions ?

JOINT MUNITIONS & LETHALITY  
LCMC





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## **Non Standard Ammunition Industry Day**

**28 May 2008**

**Packaging**

**Mr. Gary Carney**



# Basic Minimum Elements of Packaging

- **Protection for multiple handling, redistribution & shipment by any mode of transportation**
- **Cleanliness**
- **Preservation**
- **Cushioning**
- **Unitization/Palletization**
  - **Must be stable load not to exceed 4000 lbs**
  - **Level top for stacking**
  - **Metal Banding**
  - **One item type per pallet - no mixed commodity items**



# Minimum Marking Requirements

- **Marking shall be visible, clear & legible**
- **Unit pack, intermediate pack exterior shipping container and unitized load shall indicate Item description, quantity and lot/serial number**
- **Weight, Proper Shipping Name and UN Number are required on outer shipping container and unitized load**
- **Marking language: English**



# **International Hazardous Materials Packaging and Marking**

- **“United Nations Recommendations on the Transport of Dangerous Goods Model Regulations” (AKA “Orange Book”)**
  - **Acceptable to the competent authority of the nation of origin**
- **International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air**
- **International Maritime Dangerous Goods (IMDG)**





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## **Non Standard Ammunition Industry Day**

**28 May 2008  
Transportation  
Darla Best**



# **Transportation Plan Requirements JMC Local Clause**

- **Submit comprehensive transportation plan (preferred 21/minimum of 10) calendar days prior to shipment of hazardous materials, ammunition, and/or explosives on all f.o.b. destination contracts. Plan must include:**
  - **Description and amount of material to be shipped.**
  - **Dates of planned shipment to include planned delivery date.**
  - **Mode(s) of transportation to be used and identity of carrier(s).**
  - **Proposed routing of shipments to include intermediate stops to destination.**
  - **An assessment of possible transportation security risks and appropriate action plans to assess those risks.**
  - **Processes and procedures for effectively securing, monitoring and transporting sensitive hazardous materials, ammunition and explosives.**
- **NOTE: POC must ensure applicable service security expert concurrence of transportation plan and must also ensure delivery ports and concerned POD/POEs receive notice of pending movements.**





# **Transportation Plan - Continued**

- **Comply with local country and international laws and regulations for transporting hazardous materials, ammunition, and explosives. Furnish copies of country clearances and/or exemptions for movement no later than (preferred 5/minimum of 3) working days prior to shipment.**
- **Request verification of “Ship to” and “Notification” address at least 10 calendar days prior to actual shipping date.**
- **The contractor shall not ship directly to a Military air or water port terminal without prior coordination with that Military sea or water port terminal and authorization by the Contract Officer or designated point of contact.**





# US Flag Ship Requirements

## DFAR 252.247-7023 Transportation of Supplies by Sea

### (a) *Definitions.*

(6) “Supplies” means all **property**...that is clearly **identifiable for eventual use by or owned by** the DoD at the time of transportation by sea.

(7) “U.S.-flag vessel” means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b)(1) The **Contractor shall use U.S.-flag vessels** when transporting any supplies by sea under this contract.

(c) The Contractor...**may request** that the PCO authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that—

(1) U.S.-flag vessels are not available for timely shipment;

(2) The freight charges are inordinately excessive or unreasonable;  
or

(3) Freight charges are higher than charges to private persons for transportation of like goods.



# Federal Acquisition Regulation (FAR)

## FAR 47.303.1 f.o.b. origin

(a) *Explanation of delivery term.* “f.o.b. origin” means -

(1) Free of expense to the Government delivered on board the indicated type of conveyance of the carrier (or of the Government, if specified) at a designated point in the city, county, and State from which the shipment will be made and from which line-haul transportation service will begin.

## FAR 47.303-6 f.o.b. destination

(a) *Explanation of delivery term.* “f.o.b. destination” means -

(1) Free of expense to the Government delivered, on board the carrier’s conveyance, at a specified delivery point where the consignee’s facility (plant, warehouse, store, lot, or other location to which shipment can be made) is located.



# Federal Acquisition Regulation (FAR)

## **FAR 46.505 Transfer of title and risk of loss.**

(a) Title to supplies shall pass to the Government **upon formal acceptance**, regardless of when or where the Government takes physical possession, unless the contract specifically provides for earlier passage of title.

(b) Unless the contract specifically provides otherwise, **risk of loss of, or damage to, supplies shall remain with the contractor** until, and shall pass to the Government upon

(1) Delivery of the supplies to a carrier if transportation is f.o.b. origin; or

(2) Acceptance by the Government or delivery of the supplies to the Government at the destination specified in the contract, whichever is later, if transportation is f.o.b. destination.



# **Regulations Sources of Clauses**

- **Federal Acquisition Regulation (FAR)**
- **Defense Federal Acquisition Regulations System (DFARS)**
- **AA&E Specific JMC Command Unique Clauses**
- **United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Orange Book)**
- **International Maritime Dangerous Goods (IMDG)**
- **Code of Federal Regulation 49**
- **Defense Transportation Regulation (DTR)**
- **Physical Security of Sensitive Conventional AA&E**





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# **Non Standard Ammunition Industry Day**

## **Government Contract Quality Assurance**

**28 May 2008  
Dave Brunello**



# **Government Contract Quality Assurance (Inspection and Acceptance)**

- **DCMA at Source, Point of Manufacture/Supply and Destination**
  - **Source**
    - Prime location
  - **Place of Manufacture/Supply**
    - CONUS/OCONUS
  - **Destination**
  - **Country Clearance application process 45 days**
- **Substantiating documentation - Contract Data Requirements List (CDRL)**
  - Lot history file
  - Certificate of Compliance
  - Government authentication
- **Wide Area Work Flow (WAWF)**
  - Prime contractor responsibility



# **Government Contract Quality Assurance (Inspection and Acceptance)**

- **GCQA at Prime Contractor**
  - **Quality Management System (QMS), Control Of Vendors, Flow down, Purchase Order Review**
- **GCQA at Manufacture/Supply**
  - **Objective Quality Evidence (OQE) and Verification**
    - **Section 4 - Verification Requirements**
      - **4.2 Technical Requirement**
      - **4.3 Serviceability**
      - **4.4 Verification (Interface, Function, Packaging, Marking)**
- **GCQA at Destination (for fob destination)**
  - **Count/Kind/Condition, Shipment Integrity**



# **Government Contract Quality Assurance (Inspection and Acceptance)**

- **Lot History File**
  - **Contents**
    - **Approved Item Technical Data**
      - C.I.P., SAAMI or equivalent
    - **Ammunition Data Card equivalent**
      - Producer, date of MFR, date of original acceptance, components
    - **Initial acceptance reports**
      - Quantity and method of acceptance
    - **Surveillance reports**
      - Periodic inspections for stored items
    - **Storage history**
      - Duration and storage conditions
    - **Weapon interface results**
    - **Function, casualty, and metal parts security**
    - **Packaging inspection**
    - **Marking inspection**
  - **Provided to sub-contractor Quality Assurance Representative (QAR) for disposition**
  - **Required for Prime QAR lot acceptance**





# **Government Contract Quality Assurance (Inspection and Acceptance)**

- **Certificate of Compliance**
  - **Statement of prime and sub-contractor compliance**
  - **Government verification of receipt at destination**
- **Routing**
  - ◁ **Prime - Initiate Requirement**
  - ◁ **Place of Performance - KR and Gov't Cert.**
  - ◁ **Destination - Gov't Inspection**
  - Prime - KR Validation of completeness and accuracy and input into WAWF**
- **After input into WAWF - Certificate of Compliance and OQE provide QAR basis for acceptance**



# **Government Contract Quality Assurance (Inspection and Acceptance)**

- **Supplier must manage schedule**
  - **7 day advance notice (source/destination inspection)**
  - **Must maintain and advise logistics control**
    - **Anticipate and advise changes**
    - **Must comply w/ notification window**
- **Prime Contractor and Prime QAR communication essential**



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